

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---------------------------|------------------|---------|------------------|
| S1 | 175 | speak\$2 same amplif\$3 same (amplitude adj2 modulat\$3) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/17 09:35 |
| S2 | 0 | speak\$2 same amplif\$3 same (cable near3 amplitude adj2 modulat\$3) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/17 09:34 |
| S4 | 13 | wireless same (amplitude adj2 modulat\$3) same speak\$2 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/17 09:36 |
| S5 | 27 | (wireless near4 speak\$2) and (amplitude adj2 modulat\$3) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/17 09:38 |
| S6 | 12 | ("4006290" "4484222" "5287035" "5553312" "5758276" "5917387" "6070060" "6118882" "6163214" "6211799" "6212414" "RE37217").PN. | USPAT | OR | OFF | 2004/09/17 09:37 |
| S7 | 200 | (wireless near4 transmis\$7) same (amplitude adj2 modulat\$3) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/17 09:39 |
| S8 | 3 | (wireless near4 transmis\$7) same (amplitude adj2 modulat\$3) same speaker | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/17 09:39 |
| S9 | 24 | (wireless near4 transmis\$7) same (amplitude adj2 modulat\$3) and speaker | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/17 09:51 |
| S10 | 4 | (wireless near4 transmis\$7) same (separate adj2 frequency adj2 band) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/17 10:02 |
| S11 | 2 | (wireless near4 transmis\$7) same (overla\$5 adj2 frequency adj2 band) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/17 10:29 |
| S12 | 15 | (wireless near4 transmis\$7) and (separate adj2 frequency adj2 band) and audio | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/17 10:03 |
| S13 | 1 | ("6766025").PN. | USPAT; USOCR | OR | OFF | 2004/09/17 10:29 |
| S14 | 3 | ((("4592088") or ("5532556") or ("5818948")).PN. | USPAT; USOCR | OR | OFF | 2004/04/24 17:19 |
| S16 | 2 | (speak\$2 near2 system) same (communicat\$3 near2 modul\$1) | USPAT; EPO; JPO | OR | OFF | 2003/10/22 14:53 |
| S17 | 6 | (speak\$2 near2 system) same (communicat\$) same (speak\$2 near2 character\$7) | USPAT; EPO; JPO | OR | OFF | 2003/10/16 16:21 |

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| S18 | 6 | (speak\$2 near2 system) same (communicat\$5) same (speak\$2 near2 character\$7) | USPAT; EPO; JPO | OR | OFF | 2003/10/02 09:59 |
| S19 | 43 | (speak\$2 near2 system) same audio same (speak\$2 near2 character\$7) | USPAT; EPO; JPO | OR | OFF | 2003/10/02 10:02 |
| S20 | 667 | audio near3 (speak\$2 near2 system) | USPAT; EPO; JPO | OR | OFF | 2003/10/02 10:03 |
| S21 | 6 | (speak\$2 near2 system) same (communicat\$3 near2 apparat\$2) | USPAT; EPO; JPO | OR | OFF | 2003/10/03 15:31 |
| S22 | 28 | (speak\$2 near2 system) same (carri\$2 near2 sign\$2) | USPAT; EPO; JPO | OR | OFF | 2003/10/02 11:27 |
| S23 | 12 | ("3491204" "4051919" "4452333" "5027403" "5222145" "5533129" "5604663" "5680464" "5701347" "5729430" "5764777" "5978211").PN. | USPAT | OR | OFF | 2003/10/02 11:11 |
| S24 | 9 | "5414774".URPN. | USPAT | OR | OFF | 2003/10/02 11:13 |
| S25 | 3 | (audio near2 system) same (transmit\$3 near43 speak\$2 near2 informat\$3) | USPAT; EPO; JPO | OR | OFF | 2003/10/02 11:28 |
| S26 | 577 | transmit\$3 near43 speak\$2 near2 informat\$3 | USPAT; EPO; JPO | OR | OFF | 2003/10/02 11:34 |
| S27 | 80 | transmit\$3 near3 speak\$2 near2 informat\$3 | USPAT; EPO; JPO | OR | OFF | 2003/10/02 11:35 |
| S28 | 12 | transmit\$3 near3 speak\$2 near2 character\$8 | USPAT; EPO; JPO | OR | OFF | 2003/10/02 11:36 |
| S29 | 142 | transmit\$3 near3 transdu\$3 near2 informat\$3 | USPAT; EPO; JPO | OR | OFF | 2003/10/02 11:36 |
| S30 | 161 | transmit\$3 near3 transducer\$1 near2 informat\$3 | USPAT; EPO; JPO | OR | OFF | 2003/10/02 11:37 |
| S31 | 73 | transmit\$3 near3 transducer\$1 near2 character\$7 | USPAT; EPO; JPO | OR | OFF | 2003/10/02 11:38 |
| S32 | 0 | chrisop.in. and speaker | USPAT; EPO; JPO | OR | OFF | 2003/10/02 11:38 |
| S33 | 1 | chrisop.in. | USPAT; EPO; JPO | OR | OFF | 2005/05/28 11:05 |
| S34 | 18 | gaebel.in. | USPAT; EPO; JPO | OR | OFF | 2003/10/02 11:39 |
| S35 | 180 | westerman.in. | USPAT; EPO; JPO | OR | OFF | 2005/12/13 15:13 |
| S36 | 0 | westerman.in. and speaker | USPAT; EPO; JPO | OR | OFF | 2005/05/28 11:20 |
| S37 | 306 | (381/332,334,335).CCLS. | USPAT; USOCR; EPO; JPO | OR | OFF | 2004/09/13 14:53 |

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| S38 | 2 | (speak\$2 near2 apparat\$2) same (carri\$2 near2 sign\$2) | USPAT; EPO; JPO | OR | OFF | 2003/10/17 09:07 |
| S39 | 537 | (speak\$2 near3 communicat\$3) same signal | USPAT; EPO; JPO | OR | OFF | 2003/10/02 12:44 |
| S40 | 5 | "5946343".URPN. | USPAT | OR | OFF | 2003/10/02 12:55 |
| S41 | 379 | (381/77).CCLS. | USPAT; USOCR; EPO; JPO | OR | OFF | 2005/12/13 13:30 |
| S42 | 6 | ("4434508" "4669108" "5138651" "5530770" "5596648" "5881156").PN. | USPAT | OR | OFF | 2003/10/03 13:22 |
| S43 | 0 | ("(amplif\$3near4speak\$2)same(generat\$3near2carr\$3)").PN. | USPAT; USOCR; EPO; JPO | OR | OFF | 2003/10/03 13:34 |
| S44 | 17 | (amplif\$3 near4 speak\$2) same (generat\$3 near2 carr\$3) | USPAT; EPO; JPO | OR | OFF | 2003/10/03 14:25 |
| S45 | 14 | (amplif\$3 near4 speak\$2) same (generat\$3 near2 carrier) | USPAT; EPO; JPO | OR | OFF | 2003/10/03 14:25 |
| S46 | 28 | (speak\$2 near2 system) same (carri\$2 near2 sign\$2) | USPAT; EPO; JPO | OR | OFF | 2003/10/03 15:06 |
| S47 | 37 | (carrier adj2 sign\$2) near5 (speak\$2) | USPAT; EPO; JPO | OR | OFF | 2003/10/03 15:09 |
| S48 | 1829 | (carrier adj2 sign\$2) near5 (amplif\$3) | USPAT; EPO; JPO | OR | OFF | 2003/10/03 15:09 |
| S49 | 1283 | (carrier adj2 sign\$2) near3 (amplif\$3) | USPAT; EPO; JPO | OR | OFF | 2003/10/03 15:10 |
| S50 | 105 | generat\$3 near3 (carrier adj2 sign\$2) near3 (amplif\$3) | USPAT; EPO; JPO | OR | OFF | 2003/10/03 15:29 |
| S51 | 29 | (carrier adj2 sign\$2) near3 (amplif\$3) same speak\$2 | USPAT; EPO; JPO | OR | OFF | 2003/10/03 15:29 |
| S52 | 250 | operat\$3 near3 (speak\$2 near2 system) | USPAT; EPO; JPO | OR | OFF | 2003/10/03 15:32 |
| S53 | 6 | (communicat\$3 near2 modul\$1) same (transmi\$2 near3 amplif\$3) | USPAT; EPO; JPO | OR | OFF | 2003/10/16 15:43 |
| S54 | 64 | communicat\$3 near4 transmi\$2 near3 amplif\$3 | USPAT; EPO; JPO | OR | OFF | 2003/10/09 11:17 |
| S55 | 0 | (speak\$2 near2 system) same (communicat\$3 near4 transmi\$2 near3 amplif\$3) | USPAT; EPO; JPO | OR | OFF | 2004/04/24 17:33 |
| S56 | 7 | (speak\$2 near2 system) same (transmi\$2 near3 amplif\$3) | USPAT; EPO; JPO | OR | OFF | 2003/10/09 11:19 |
| S57 | 8 | (speak\$2 near2 system) same (communicat\$3 near3 amplif\$3) | USPAT; EPO; JPO | OR | OFF | 2003/10/09 11:19 |
| S58 | 168 | (operat\$4 near2 speak\$2 near2 system) | USPAT; EPO; JPO | OR | OFF | 2003/10/09 14:24 |
| S59 | 2 | ("3885415" "5197104").PN. | USPAT | OR | OFF | 2003/10/09 14:01 |

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| S60 | 2 | ("3885415" "5197104").PN. | USPAT | OR | OFF | 2003/10/09 14:01 |
| S61 | 30 | ("1645282" "1674683" "1992300" "2194175" "2897291" "3196211" "3766334" "3798374" "3838216" "4034165" "4107479" "4130725" "4160133" "4201886" "4207430" "4229618" "4475233" "4504704" "4573189" "4597100" "4598178" "4617621" "4718100" "4727584" "4754102" "4897879" "4945189" "5373563" "5519781" "5615272").PN. | USPAT | OR | OFF | 2003/10/09 14:14 |
| S62 | 0 | "5917922".URPN. | USPAT | OR | OFF | 2003/10/09 14:14 |
| S63 | 8 | transmit\$4 near2 speak\$2 near2 characterist\$4 | USPAT; EPO; JPO | OR | OFF | 2003/10/09 14:44 |
| S64 | 0 | (speak\$2 near2 system) same (high adj2 pass adj2 filter) same rectifi\$2 | USPAT; EPO; JPO | OR | OFF | 2003/10/09 14:28 |
| S65 | 8 | (speak\$2 near2 system) same (filter) same rectifi\$2 | USPAT; EPO; JPO | OR | OFF | 2005/05/17 19:26 |
| S66 | 3 | speak\$2 near3 amplifier near3 (carrie\$1 near2 signal) | USPAT; EPO; JPO | OR | OFF | 2003/10/09 14:33 |
| S67 | 5 | speak\$2 near3 amplifier near3 carrier | USPAT; EPO; JPO | OR | OFF | 2003/10/09 14:35 |
| S68 | 630 | interphone near2 system | USPAT; EPO; JPO | OR | OFF | 2003/10/09 14:35 |
| S69 | 5 | (interphone near2 system) same speak\$2 same carrier | USPAT; EPO; JPO | OR | OFF | 2003/10/09 14:36 |
| S70 | 5 | (transmit\$4 near2 informat\$3) same (speak\$2 near2 characteris\$5) | USPAT; EPO; JPO | OR | OFF | 2003/10/09 14:45 |
| S71 | 3 | "4592088".URPN. | USPAT | OR | OFF | 2003/10/09 14:51 |
| S72 | 11 | ("3710034" "4016953" "4592088" "4882760" "5073945" "5147986" "5181247" "5590208" "5629502" "5710395" "6031919").PN. | USPAT | OR | OFF | 2003/10/09 14:52 |
| S73 | 10 | "5532556".URPN. | USPAT | OR | OFF | 2003/10/16 10:20 |
| S74 | 7 | ("4213011" "4229816" "4567587" "4750167" "4787085" "5003557" "5214705").PN. | USPAT | OR | OFF | 2003/10/16 10:23 |
| S75 | 10 | "5532556".URPN. | USPAT | OR | OFF | 2003/10/16 10:23 |

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| S76 | 50 | (communicat\$3 near2 apparat\$2) near3 speak\$2 | USPAT; EPO; JPO | OR | OFF | 2003/10/16 15:43 |
| S77 | 257 | (381/96).CCLS. | USPAT; USOCR; EPO; JPO | OR | OFF | 2003/10/16 16:00 |
| S78 | 37 | (381/384).CCLS. | USPAT; USOCR; EPO; JPO | OR | OFF | 2003/10/16 16:35 |
| S79 | 164 | (381/59).CCLS. | USPAT; USOCR; EPO; JPO | OR | OFF | 2004/09/13 12:07 |
| S80 | 117 | (381/102).CCLS. | USPAT; USOCR; EPO; JPO | OR | OFF | 2003/10/16 16:27 |
| S81 | 27 | (speak\$2 near2 system) same (transmit\$4 near3 amplifi\$2) | USPAT; EPO; JPO | OR | OFF | 2003/10/16 16:21 |
| S82 | 552 | (381/120).CCLS. | USPAT; USOCR; EPO; JPO | OR | OFF | 2005/12/08 10:38 |
| S83 | 3787 | speak\$2 near2 unit | USPAT; EPO; JPO | OR | OFF | 2003/10/16 16:33 |
| S84 | 2 | (speak\$2 near2 unit) same rectifi\$2 same filter | USPAT; EPO; JPO | OR | OFF | 2003/10/16 17:12 |
| S85 | 359 | (381/300).CCLS. | USPAT; USOCR; EPO; JPO | OR | OFF | 2003/10/16 16:41 |
| S86 | 40 | (381/304,305).CCLS. | USPAT; USOCR; EPO; JPO | OR | OFF | 2003/10/16 16:47 |
| S87 | 0 | (381/24).CCLS. | USPAT; USOCR; EPO; JPO | OR | OFF | 2003/10/16 16:48 |
| S88 | 0 | ("(speak\$2near2arrangeme\$2)sam eamplif\$3samerectif\$3").PN. | USPAT; USOCR; EPO; JPO | OR | OFF | 2003/10/16 16:50 |
| S89 | 1 | (speak\$2 near2 arrangeme\$2) same amplif\$3 same rectif\$3 | USPAT; EPO; JPO | OR | OFF | 2003/10/16 16:51 |
| S90 | 387 | (speak\$2) same amplif\$3 same rectif\$3 | USPAT; EPO; JPO | OR | OFF | 2003/10/16 16:51 |
| S91 | 3 | "4592088".URPN. | USPAT | OR | OFF | 2003/10/16 17:09 |
| S92 | 24 | "5818948".URPN. | USPAT | OR | OFF | 2003/10/16 17:10 |
| S93 | 11 | ("3860921" "4344175" "5414386" "5532556" "5553220" "5563952" "5596647" "5615404" "5652895" "5675813" "5684997").PN. | USPAT | OR | OFF | 2003/10/16 17:11 |

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| S94 | 13 | (speak\$2 near2 transmi\$6) near3 method | USPAT; EPO; JPO | OR | OFF | 2003/10/17 09:41 |
| S95 | 297 | communicat\$4 near3 transmi\$6 near2 amplifi\$3 | USPAT; EPO; JPO | OR | OFF | 2003/10/17 08:35 |
| S96 | 90 | speak\$2 near3 amplifi\$2 near2 extern\$2 | USPAT; EPO; JPO | OR | OFF | 2003/10/17 09:10 |
| S97 | 328 | loudspeak\$2 near2 amplifi\$2 near3 signal | USPAT; EPO; JPO | OR | OFF | 2003/10/17 09:12 |
| S98 | 370 | loudspeak\$2 near2 connect\$4 near2 amplifi\$2 | USPAT; EPO; JPO | OR | OFF | 2003/10/17 09:21 |
| S99 | 285 | (381/111).CCLS. | USPAT; USOCR; EPO; JPO | OR | OFF | 2004/04/30 13:49 |
| S100 | 5 | "4888811".URPN. | USPAT | OR | OFF | 2003/10/17 09:17 |
| S101 | 800 | speak\$2 near2 connect\$4 near2 amplifi\$2 | USPAT; EPO; JPO | OR | OFF | 2003/10/17 09:21 |
| S102 | 72 | speak\$2 near2 connection\$1 near2 amplifi\$2 | USPAT; EPO; JPO | OR | OFF | 2003/10/17 09:22 |
| S103 | 723 | speak\$2 near2 amplifi\$2 near3 connect\$4 | USPAT; EPO; JPO | OR | OFF | 2003/10/17 09:22 |
| S104 | 106 | speak\$2 near2 amplifi\$2 near3 connection\$1 | USPAT; EPO; JPO | OR | OFF | 2003/10/17 09:25 |
| S105 | 1140 | speaker near2 enclos\$3 | USPAT; EPO; JPO | OR | OFF | 2003/10/17 09:26 |
| S106 | 49 | (speaker near2 enclos\$3) near2 connect\$4 | USPAT; EPO; JPO | OR | OFF | 2003/10/17 09:26 |
| S107 | 44 | (speak\$2 near2 box) near3 connect\$3 | USPAT; EPO; JPO | OR | OFF | 2003/10/17 09:42 |
| S108 | 0 | amplifi\$3 near2 connect\$4 near2 speak\$2 | USPAT; EPO; JPO | OR | OFF | 2003/10/20 10:18 |
| S109 | 842 | amplifi\$3 near2 connect\$4 near2 speak\$2 | USPAT; EPO; JPO | OR | OFF | 2003/10/20 10:39 |
| S110 | 1 | ("6212580").PN. | USPAT; USOCR | OR | OFF | 2003/10/20 10:39 |
| S111 | 25 | (speak\$2 near2 system) same (rectif\$3) | USPAT; EPO; JPO | OR | OFF | 2003/10/23 08:19 |
| S112 | 662 | (speak\$2 near2 system) same (communicat\$3) | USPAT; EPO; JPO | OR | OFF | 2003/11/03 13:39 |
| S113 | 132 | (loudspeak\$2 near2 system) same (communicat\$3) | USPAT; EPO; JPO | OR | OFF | 2003/10/23 09:13 |
| S114 | 313 | operat\$3 near4 (speak\$2 near2 system) | USPAT; EPO; JPO | OR | OFF | 2003/10/22 15:09 |
| S115 | 3 | ("4811403" "5213595" "5446793").PN. | USPAT | OR | OFF | 2003/10/22 15:13 |

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| S11 6 | 4 | "5390246".URPN. | USPAT | OR | OFF | 2003/10/22 15:26 |
| S11 7 | 250 | (loudspeak\$2) same (rectif\$3) | USPAT; EPO; JPO | OR | OFF | 2003/10/23 09:18 |
| S11 8 | 1 | ("6584204").PN. | USPAT; USOCR | OR | OFF | 2003/10/23 11:24 |
| S11 9 | 24 | method near2 operat\$3 near3 speak\$2 | USPAT; EPO; JPO | OR | OFF | 2003/10/23 09:14 |
| S12 0 | 0 | "5917922".URPN. | USPAT | OR | OFF | 2003/10/23 09:15 |
| S12 1 | 0 | "5917922".URPN. | USPAT | OR | OFF | 2003/10/23 09:15 |
| S12 2 | 5 | "5734724".URPN. | USPAT | OR | OFF | 2003/10/23 09:16 |
| S12 3 | 15 | (loudspeak\$2) near4 (rectif\$3) | USPAT; EPO; JPO | OR | OFF | 2003/10/23 09:18 |
| S12 4 | 1 | "6122385".PN. | USPAT | OR | OFF | 2003/10/23 09:22 |
| S12 5 | 1204 | rectifier same audio | USPAT | OR | OFF | 2003/10/23 10:14 |
| S12 6 | 369 | rectifier same speak\$2 | USPAT | OR | OFF | 2003/10/23 10:13 |
| S12 7 | 369 | rectifier same speak\$2 | USPAT | OR | OFF | 2003/10/23 10:14 |
| S12 8 | 1289 | rectifier same audio | USPAT; EPO; JPO | OR | OFF | 2003/10/23 10:14 |
| S12 9 | 466 | rectifier same speak\$2 | USPAT; EPO; JPO | OR | OFF | 2003/10/24 08:39 |
| S13 0 | 7 | ("4254303" "4628526" "4864246" "5107539" "5434926" "5896450" "6122385").PN. | USPAT | OR | OFF | 2003/10/23 10:15 |
| S13 1 | 32 | ("3009991" "3941932" "4165445" "4180706" "4207430" "4243838" "4243839" "4256923" "4276443" "4395588" "4573189" "4727584" "4868870" "5086473" "5197104" "5461676" "5481615" "5484969" "5506910" "5629987" "5666427" "5694476" "5729611" "5768398" "5771297" "5848169" "5933495" "6031919" "6072879" "6088459" "6263078" "6282296").PN. | USPAT | OR | OFF | 2003/10/23 11:06 |

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| S13 2 | 0 | ("soundnear2system").PN. | USPAT; USOCR; EPO; JPO | OR | OFF | 2003/10/23 11:25 |
| S13 3 | 7880 | sound adj2 system | USPAT; EPO; JPO | OR | OFF | 2003/10/23 11:25 |
| S13 4 | 22 | (sound adj2 system) same rectifier | USPAT; EPO; JPO | OR | OFF | 2003/10/23 11:25 |
| S13 5 | 26 | "4450495".URPN. | USPAT | OR | OFF | 2003/10/23 13:26 |
| S13 6 | 5 | ("D321346" "D331238" "D369795" "D372714" "4450495").PN. | USPAT | OR | OFF | 2003/10/23 13:27 |
| S13 7 | 1 | "5933507".URPN. | USPAT | OR | OFF | 2003/10/23 13:28 |
| S13 8 | 7 | ("2851526" "3023274" "3370125" "3684831" "4052561" "4450495" "4535870").PN. | USPAT | OR | OFF | 2003/10/23 13:28 |
| S13 9 | 15 | "3943564".URPN. | USPAT | OR | OFF | 2003/10/23 13:30 |
| S14 0 | 10 | "4807292".URPN. | USPAT | OR | OFF | 2003/10/23 13:31 |
| S14 1 | 7 | ("340"/\$).ccls. and (speak\$2 adj2 system) same module | USPAT; EPO; JPO | OR | OFF | 2003/10/23 14:14 |
| S14 2 | 559 | ("181"/\$).ccls. and (speak\$2 adj2 system) | USPAT; EPO; JPO | OR | OFF | 2003/10/23 14:15 |
| S14 3 | 164 | ("340"/\$).ccls. and (speak\$2 adj2 system) | USPAT; EPO; JPO | OR | OFF | 2003/11/14 16:50 |
| S14 4 | 181 | ("455"/\$).ccls. and (speak\$2 adj2 system) | USPAT; EPO; JPO | OR | OFF | 2003/10/23 14:21 |
| S14 5 | 0 | "6259657".URPN. | USPAT | OR | OFF | 2003/10/23 14:22 |
| S14 6 | 7 | ("4041249" "4658097" "5398220" "5477511" "5548566" "5818800" "5898916").PN. | USPAT | OR | OFF | 2003/10/23 14:23 |
| S14 7 | 99 | "4963995".URPN. | USPAT | OR | OFF | 2003/10/23 14:28 |
| S14 8 | 24 | "5818948".URPN. | USPAT | OR | OFF | 2003/10/23 14:41 |
| S14 9 | 3 | "4592088".URPN. | USPAT | OR | OFF | 2003/10/23 14:43 |
| S15 0 | 7 | "5361381".URPN. | USPAT | OR | OFF | 2003/10/23 14:43 |
| S15 1 | 0 | ("amplif\$3near3(communicat\$4)ne ar3unit").PN. | USPAT; USOCR; EPO; JPO | OR | OFF | 2003/10/23 14:53 |

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| S15 2 | 112 | amplif\$3 near3 (communicat\$4) near3 unit | USPAT; EPO; JPO | OR | OFF | 2003/10/23 15:02 |
| S15 3 | 14 | ("2128400" "2160857" "3304507" "4494077" "4598252" "4723306" "4794347" "RE34796" "5592122" "5673287" "5734355" "5945876" "6111459" "6313699").PN. | USPAT | OR | OFF | 2003/10/23 14:56 |
| S15 4 | 133 | speak\$2 near3 (communicat\$4) near3 unit | USPAT; EPO; JPO | OR | OFF | 2003/10/23 15:07 |
| S15 5 | 351 | loudspeak\$2 near3 (communicat\$4) | USPAT; EPO; JPO | OR | OFF | 2003/10/23 15:12 |
| S15 6 | 1491 | amplif\$3 near3 contr\$2 near2 unit | USPAT; EPO; JPO | OR | OFF | 2003/10/23 15:12 |
| S15 7 | 1728 | amplif\$3 near3 control\$3 near2 unit | USPAT; EPO; JPO | OR | OFF | 2003/10/23 15:13 |
| S15 8 | 52 | (amplif\$3 near3 control\$3 near2 unit) same speak\$2 | USPAT; EPO; JPO | OR | OFF | 2003/10/23 15:14 |
| S15 9 | 977 | rectifier same sound | USPAT; EPO; JPO | OR | OFF | 2003/10/24 08:39 |
| S16 0 | 438 | rectifier same sound same amplifi\$2 | USPAT; EPO; JPO | OR | OFF | 2003/10/24 08:57 |
| S16 1 | 30 | ("3778725" "4151469" "4170720" "4689819" "4718099" "4823392" "4882761" "4882762" "4934770" "4996712" "5128566" "5144156" "5144675" "5272394" "5278912" "5402494" "5402498" "5508660" "4592087" "5550923" "5566204" "5602925" "5822442" "5825239" "5832097" "5898328" "6043715" "6140853" "6147530" "6194935").PN. | USPAT | OR | OFF | 2003/10/24 08:41 |
| S16 2 | 6 | "4809338".URPN. | USPAT | OR | OFF | 2003/10/24 08:54 |
| S16 3 | 251 | rectifier same speaker same amplifi\$2 | USPAT; EPO; JPO | OR | OFF | 2003/10/24 09:06 |
| S16 4 | 2 | "4262314".URPN. | USPAT | OR | OFF | 2003/10/24 09:04 |
| S16 5 | 180 | rectifier same communicat\$3 same amplifi\$2 | USPAT; EPO; JPO | OR | OFF | 2003/10/24 09:11 |
| S16 6 | 685 | rectifier same audio same amplifi\$2 | USPAT; EPO; JPO | OR | OFF | 2003/10/24 09:12 |

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|----------|-----|--|------------------------------|----|-----|------------------|
| S16 7 | 2 | (speak\$2 near2 system) same (amplitude near2 modulat\$3) near4 amplifi\$2 | USPAT; EPO; JPO | OR | OFF | 2003/11/03 13:42 |
| S16 8 | 22 | (variable near2 gain) near3 (amplitude near2 modulat\$3) | USPAT; EPO; JPO | OR | OFF | 2003/11/03 14:04 |
| S16 9 | 28 | (variable near2 gain) near3 (high near2 impeda\$3) | USPAT; EPO; JPO | OR | OFF | 2003/11/04 08:17 |
| S17 0 | 28 | (high near2 impeda\$3) near3 (variable near2 gain) | USPAT; EPO; JPO | OR | OFF | 2003/11/03 14:10 |
| S17 1 | 34 | (variable near2 gain near2 circu\$2) same (amplitude near2 modulat\$3) | USPAT; EPO; JPO | OR | OFF | 2003/11/03 15:31 |
| S17 2 | 1 | ("6535846").PN. | USPAT; USOCR | OR | OFF | 2003/11/03 16:01 |
| S17 3 | 2 | ((("5485524") or ("4852175"))).PN. | USPAT; USOCR | OR | OFF | 2003/11/03 16:06 |
| S17 4 | 2 | ((("4185168") or ("4630305"))).PN. | USPAT; USOCR | OR | OFF | 2003/11/03 16:06 |
| S17 5 | 492 | (variable near2 gain near2 amplifi\$2) same (impedanc\$2) | USPAT; EPO; JPO | OR | OFF | 2003/11/04 08:17 |
| S17 6 | 83 | (variable near2 gain near2 amplifi\$2) near3 (impedanc\$2) | USPAT; EPO; JPO | OR | OFF | 2003/11/04 08:18 |
| S17 7 | 0 | "6630861".URPN. | USPAT | OR | OFF | 2003/11/04 08:18 |
| S17 8 | 0 | "6630861".URPN. | USPAT | OR | OFF | 2003/11/04 08:18 |
| S17 9 | 0 | ("wirele\$2near2speak\$2near2syst\$2").PN. | USPAT; USOCR; EPO; JPO | OR | OFF | 2003/11/14 16:35 |
| S18 0 | 36 | wirele\$2 near2 speak\$2 near2 syst\$2 | USPAT; EPO; JPO | OR | OFF | 2003/11/17 08:27 |
| S18 1 | 257 | (variable near2 gain) same (amplitude near2 modulat\$3) | USPAT; EPO; JPO | OR | OFF | 2003/11/14 16:46 |
| S18 2 | 6 | (variable near2 gain) same (amplitude near2 modulat\$3) same speak\$2 | USPAT; EPO; JPO | OR | OFF | 2003/11/14 16:47 |
| S18 3 | 1 | wirele\$2 same (speak\$2 near2 syst\$2) same filter | USPAT; EPO; JPO | OR | OFF | 2003/11/14 16:48 |
| S18 4 | 6 | ("340"/\$).ccls. and (speak\$2 adj2 system) same wireless | USPAT; EPO; JPO | OR | OFF | 2003/11/14 16:50 |
| S18 5 | 9 | (wirele\$2 near2 speak\$2 near2 syst\$2) same carri\$2 | USPAT; EPO; JPO | OR | OFF | 2003/11/17 12:27 |
| S18 6 | 6 | (wirele\$2 near2 speak\$2 near2 syst\$2) same modulation | USPAT; EPO; JPO | OR | OFF | 2003/11/17 09:00 |
| S18 7 | 1 | (wirele\$2 near2 speak\$2 near2 syst\$2) same feedback | USPAT; EPO; JPO | OR | OFF | 2003/11/17 09:00 |

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| S18 8 | 0 | (wirele\$2 near2 speak\$2 near2 syst\$2) same (speaker near2 charact\$9) | USPAT; EPO; JPO | OR | OFF | 2003/11/17 09:01 |
| S18 9 | 36 | (wirele\$2 near2 speak\$2 near2 syst\$2) same (speaker) | USPAT; EPO; JPO | OR | OFF | 2003/11/17 09:01 |
| S19 0 | 0 | (wirele\$2 near2 speak\$2 near2 syst\$2) same (speaker near2 informat\$3) | USPAT; EPO; JPO | OR | OFF | 2003/11/17 15:36 |
| S19 1 | 0 | (wirele\$2 near2 speak\$2 near2 syst\$2) same rectifi\$2 | USPAT; EPO; JPO | OR | OFF | 2003/11/17 09:50 |
| S19 2 | 4 | (wirele\$2 near2 speak\$2 near2 syst\$2) same current | USPAT; EPO; JPO | OR | OFF | 2003/11/17 09:52 |
| S19 3 | 3 | (wirele\$2 near2 speak\$2 near2 syst\$2) same AC | USPAT; EPO; JPO | OR | OFF | 2003/11/17 11:01 |
| S19 4 | 0 | (wirele\$2 near2 speak\$2 near2 syst\$2) same rectif\$4 | USPAT; EPO; JPO | OR | OFF | 2003/11/17 11:04 |
| S19 5 | 28 | (speak\$2 near2 syst\$2) same rectif\$4 | USPAT; EPO; JPO | OR | OFF | 2003/11/17 11:02 |
| S19 6 | 7 | (wirele\$2 near2 speak\$2 near2 syst\$2) same power | USPAT; EPO; JPO | OR | OFF | 2003/11/17 11:04 |
| S19 7 | 1 | ("6067279").PN. | USPAT; USOCR | OR | OFF | 2003/11/17 12:27 |
| S19 8 | 772 | (455/552.1,553.1,556.1).CCLS. | USPAT; USOCR; EPO; JPO | OR | OFF | 2003/11/17 15:16 |
| S19 9 | 0 | (455/552.1,553.1,556.1).ccls. same audio | USPAT; EPO; JPO | OR | OFF | 2003/11/18 11:30 |
| S20 0 | 772 | ((455/552.1,553.1,556. 1)sameaudio).CCLS. | USPAT; USOCR; EPO; JPO | OR | OFF | 2003/11/17 15:18 |
| S20 1 | 0 | (455/552.1,553.1,556.1).ccls. same (differ\$3 near2 frequen\$3) | USPAT; EPO; JPO | OR | OFF | 2003/11/17 15:20 |
| S20 2 | 0 | (455/552.1,553.1,556.1).ccls. same (frequen\$3) | USPAT; EPO; JPO | OR | OFF | 2003/11/17 15:20 |
| S20 3 | 9 | ("5390345" "5392300" "5630224" "5710986" "5765113" "5794159" "5884189" "6058137" "6108313").PN. | USPAT | OR | OFF | 2003/11/17 15:21 |
| S20 4 | 0 | (455/552.1,553.1,556.1).ccls. same speaker | USPAT; EPO; JPO | OR | OFF | 2003/11/17 15:31 |
| S20 5 | 0 | (wirele\$2 near2 speak\$2 near2 syst\$2) same (dual near2 frequen\$2) | USPAT; EPO; JPO | OR | OFF | 2003/11/17 15:36 |
| S20 6 | 1 | (wirele\$2 near2 speak\$2 near2 syst\$2) same (separa\$2 near2 frequen\$2) | USPAT; EPO; JPO | OR | OFF | 2003/11/18 11:29 |

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| S20 7 | 0 | (381/77).cccls. and (overlap near2 signal) | USPAT; EPO; JPO | OR | OFF | 2004/04/24 17:26 |
| S20 8 | 0 | (wirele\$2 near2 speak\$2 near2 syst\$2) same (overlap near2 signal) | USPAT; EPO; JPO | OR | OFF | 2003/11/18 11:29 |
| S20 9 | 0 | (wirele\$2 near2 speak\$2 near2 syst\$2) same (overlap) | USPAT; EPO; JPO | OR | OFF | 2003/11/18 11:29 |
| S21 0 | 0 | (455/552.1,553.1,556.1).cccls. same overlap | USPAT; EPO; JPO | OR | OFF | 2003/11/18 11:30 |
| S21 1 | 0 | (455/556.1).cccls. same overlap | USPAT; EPO; JPO | OR | OFF | 2003/11/18 11:31 |
| S21 2 | 3 | ((("6064699") or ("6282296") or ("6466832")).PN. | USPAT; USOCR | OR | OFF | 2004/04/24 17:19 |
| S21 3 | 3 | (381/77).cccls. and speak\$3 same amplif\$4 same hardware | USPAT; EPO; JPO | OR | OFF | 2004/04/24 17:26 |
| S21 4 | 4 | (381/77).cccls. and speak\$3 same amplif\$4 same hardware | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/04/24 17:27 |
| S21 5 | 17 | (381/77).cccls. and speak\$3 same amplif\$4 same modulat\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/04/24 17:28 |
| S21 6 | 76 | (speak\$2 near2 system) same (amplif\$3) same modulat\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/04/24 17:41 |
| S21 7 | 4 | ("4823908" "5687239" "6052336" "6229899").PN. | USPAT | OR | OFF | 2004/04/24 17:36 |
| S21 8 | 130 | (sound near2 system) same (amplif\$3) same modulat\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/04/24 17:41 |
| S21 9 | 29 | (381/77).cccls. and (transmi\$6 near3 amplif\$4) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/04/29 15:56 |
| S22 0 | 50 | (transmi\$6 near3 amplif\$4) same speak\$3 same imped\$5 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/04/29 15:57 |
| S22 1 | 505 | speak\$3 same amplif\$4 same (carri\$2 near2 signal) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/04/30 10:23 |
| S22 2 | 8 | (intellig\$5 near2 speak\$3) same amplif\$4 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/04/30 10:27 |
| S22 3 | 182 | (transmi\$7 near2 speak\$3 near2 amplif\$4) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/04/30 12:39 |
| S22 4 | 39 | (transmi\$7 near2 speak\$3 near2 amplif\$4) same power | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/04/30 10:35 |

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| S22 5 | 973 | communicat\$4 near2 signal near2 amplif\$5 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/04/30 10:37 |
| S22 6 | 340 | communicat\$4 near signal near amplif\$5 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/04/30 10:37 |
| S22 7 | 15 | (communicat\$4 near signal near amplif\$5) same speak\$3 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/04/30 10:37 |
| S22 8 | 72 | (speak\$3 near transmit\$4 near2 amplif\$4) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/04/30 12:41 |
| S22 9 | 17 | (speak\$3 adj2 transmit\$4 adj2 amplif\$4) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/04/30 13:17 |
| S23 0 | 5 | "4359669".URPN. | USPAT | OR | OFF | 2004/04/30 12:42 |
| S23 1 | 47 | (speak\$3 adj2 transmit\$4 adj2 signa\$2) same (amplif\$4) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/04/30 13:29 |
| S23 2 | 43 | (impedan\$2 near2 load near2 speak\$2) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/04/30 13:47 |
| S23 3 | 1 | "3987245".URPN. | USPAT | OR | OFF | 2004/04/30 13:33 |
| S23 4 | 19 | (high near2 impedan\$2 near2 load) same speak\$2 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2004/04/30 13:37 |
| S23 5 | 1 | "3987245".URPN. | USPAT | OR | OFF | 2004/04/30 13:40 |
| S23 6 | 1 | ("6064699").PN. | USPAT; USOCR | OR | OFF | 2004/04/30 13:47 |
| S23 7 | 58 | ("381"/\$).ccls. and power same speak\$2 near2 transmi\$7 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/04/30 14:18 |
| S23 8 | 3 | ("5722050" "5768399" "6118876").PN. | USPAT | OR | OFF | 2004/04/30 13:51 |
| S23 9 | 13 | "4276443".URPN. | USPAT | OR | OFF | 2004/04/30 14:14 |
| S24 0 | 126 | ("381"/\$).ccls. and feedback near2 amplif\$4 same power | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/04/30 14:39 |
| S24 1 | 100 | feedback near2 amplif\$4 same power same speak\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/04/30 14:41 |
| S24 2 | 4317 | power\$3 near3 speak\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/04/30 14:41 |

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| S24 3 | 2855 | power\$3 near2 speak\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/04/30 14:41 |
| S24 4 | 113 | (power\$3 near2 speak\$3) same impedan\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/04/30 14:51 |
| S24 5 | 27 | (speak\$3 near3 compensat\$5) same impedan\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/04/30 14:53 |
| S24 6 | 81 | (speak\$3 near3 compensat\$5) same amplif\$5 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/04/30 15:07 |
| S24 7 | 9 | larsen.in. and loudspeak\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/04/30 15:11 |
| S24 8 | 96 | (381/55).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/04/30 15:11 |
| S24 9 | 0 | ("(informat\$3near2transmi\$6)sam e(separatenear2frequen\$4)samesp eak\$3").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/05/03 10:33 |
| S25 0 | 0 | (informat\$3 near2 transmi\$6) same (separate near2 frequen\$4) same speak\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/05/03 10:33 |
| S25 1 | 23 | (transmi\$6) same (separate near2 frequen\$4) same speak\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/05/03 11:00 |
| S25 2 | 9 | (transmi\$6) same (overlap\$4 near2 frequen\$4) same speak\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/05/03 12:21 |
| S25 3 | 7 | (transmi\$6) same (overlap\$4 near2 perio\$2) same speak\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/05/03 11:00 |
| S25 4 | 64 | (overlap\$4 near2 frequen\$4) same speak\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/05/03 12:42 |
| S25 5 | 15 | (overlap\$4 near2 frequen\$4) same speak\$3 same audio | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/05/03 12:21 |
| S25 6 | 483 | (high near2 impedanc\$3) same speak\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/05/03 12:43 |
| S25 7 | 85 | (high near2 impedanc\$3) near3 speak\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/05/03 12:43 |

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| S25 8 | 1102 | (381/77,59,96,102,120,111).ccls. and amplifier | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/10 12:11 |
| S25 9 | 501 | (381/77,59,96,102,120,111).ccls. and amplifier same speak\$2 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/10 12:29 |
| S26 0 | 5 | ("5297211" "6026150" "6127941" "6192340" "6255961" "2002/0013784" "2002/0040255" "2002/0072816").PN. | USPAT | OR | OFF | 2004/09/10 12:16 |
| S26 1 | 1 | "5559891".PN. | USPAT | OR | OFF | 2004/09/10 12:18 |
| S26 2 | 0 | "6766025".URPN. | USPAT | OR | OFF | 2004/09/10 12:18 |
| S26 3 | 14 | (381/95).ccls. and amplifier same speak\$2 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/10 12:29 |
| S26 4 | 2 | (intelligent adj2 speak\$2) same amplifier | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/13 10:58 |
| S26 5 | 44 | intelligent adj5 speak\$2 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/10 12:49 |
| S26 6 | 1 | "5559891".PN. | USPAT | OR | OFF | 2004/09/13 10:54 |
| S26 7 | 4 | "5559891".URPN. | USPAT | OR | OFF | 2004/09/13 10:54 |
| S26 8 | 18 | (intelligent adj2 speak\$2) and amplifier | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/05/28 11:03 |
| S26 9 | 10 | "5406634".URPN. | USPAT | OR | OFF | 2004/09/13 10:59 |
| S27 0 | 9 | ("4636740" "5014320" "5031221" "5042070" "5406634" "5430802" "5450624" "5581626" "5881103").PN. | USPAT | OR | OFF | 2004/09/13 11:00 |
| S27 1 | 467 | (381/77).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/09/13 12:04 |
| S27 2 | 74 | (381/77).CCLS. | US-PGPUB; USOCR | OR | OFF | 2004/09/13 12:04 |
| S27 3 | 47 | (381/59).CCLS. | US-PGPUB; USOCR | OR | OFF | 2004/09/13 12:07 |
| S27 4 | 145 | (381/55-58).CCLS. | US-PGPUB; USOCR | OR | OFF | 2004/09/13 12:09 |

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| S27 5 | 947 | (381/55-58).CCLS. | USPAT; USOCR; EPO; JPO | OR | OFF | 2004/09/13 12:12 |
| S27 6 | 436 | (381/55-58).ccls. and amplifier | USPAT; EPO; JPO | OR | OFF | 2004/09/13 14:17 |
| S27 7 | 0 | (381/55-58,95,96,77,120,111, 102).ccls. and rectifier same amplifier | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/05/22 17:22 |
| S27 8 | 99 | (381/55-58,95,96,77,120,111, 102).ccls. and rectifier same amplifier | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/12/13 13:30 |
| S27 9 | 219 | ("381"/\$).ccls. and rectifier same filter same amplifier | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/13 14:31 |
| S28 0 | 42 | ("381"/\$).ccls. and rectifier same amplifier same speak\$2 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/14 12:14 |
| S28 1 | 278 | rectifier same amplifier same speak\$2 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/13 14:33 |
| S28 2 | 24 | ("381"/\$).ccls. and rectifier same filter same speak\$2 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/13 14:44 |
| S28 3 | 394 | ("381"/\$).ccls. and rectifier same filter | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/13 14:44 |
| S28 4 | 8 | (381/332,334,335).ccls. and filter same (rectifier or power) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/13 14:56 |
| S28 5 | 30 | (speak\$2 adj2 system) same rectif\$5 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/14 11:36 |
| S28 6 | 886 | (speak\$2) same rectif\$5 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/14 11:36 |
| S28 7 | 222 | (speak\$2) same rectif\$5 same filter | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/14 12:05 |
| S28 8 | 7 | ("4254303" "4628526" "4864246" "5107539" "5434926" "5896450" "6122385").PN. | USPAT | OR | OFF | 2004/09/14 11:40 |
| S28 9 | 1 | "6122385".PN. | USPAT | OR | OFF | 2004/09/14 11:44 |
| S29 0 | 564 | (speak\$2) adj4 filter | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/14 12:05 |

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| S29 1 | 73 | (speak\$2) adj4 filter same (rectif\$6 or power) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/14 12:08 |
| S29 2 | 3 | (speak\$2) adj4 filter same (rectif\$6) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/14 12:08 |
| S29 3 | 3 | ("4811403" "5213595" "5446793").PN. | USPAT | OR | OFF | 2004/09/14 12:09 |
| S29 4 | 700 | ("381"/\$).ccls. and speak\$2 same impedance | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/09/14 12:14 |
| S29 5 | 66 | ("381"/\$).ccls. and speak\$2 same impedance same filter | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/05/17 19:07 |
| S30 3 | 6 | ((("6385322") or ("6282296") or ("6272351") or ("5640385") or ("4688257") or ("6766025")).PN. | USPAT | OR | OFF | 2005/05/17 18:06 |
| S30 4 | 10 | (high adj2 impedance) with frequen\$5 with (audio adj2 range) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/05/28 11:41 |
| S30 5 | 31 | (high adj2 impedance) same (frequen\$5 with (audio adj2 range)) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/05/17 19:14 |
| S30 6 | 3 | cable same (high adj2 impedance) same (frequen\$5 with (audio adj2 range)) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/05/17 19:15 |
| S30 7 | 16 | cable same (high adj2 impedance) same (frequen\$5 with audio) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/05/17 19:15 |
| S30 8 | 175 | (speak\$2) same (filter) same rectifi\$2 | USPAT; EPO; JPO | OR | OFF | 2005/05/17 19:27 |
| S30 9 | 233 | (\$4speak\$2) same (filter) same rectifi\$2 | USPAT; EPO; JPO | OR | OFF | 2005/05/17 19:27 |
| S31 0 | 260 | (\$4speak\$2) same (filter) same rectifi\$2 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/05/28 12:04 |
| S31 1 | 26 | (\$4speak\$2) same (high adj2 pass adj2 filter) same rectifi\$2 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/05/28 11:19 |
| S31 2 | 2 | (381/55-58,95,96,77,120,111, 102).ccls. and (high adj2 impedance) same (carrier adj2 signal) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/05/22 17:24 |
| S31 3 | 4 | ("381"/\$).ccls. and (high adj2 impedance) same (carrier adj2 signal) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/05/22 17:24 |

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| S31 4 | 1 | (high adj2 impedance) same (carrier adj2 signal) same (speaker adj2 system) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/05/22 17:25 |
| S31 5 | 1 | (high adj2 impedance) same (carrier adj2 signal) and (speaker adj2 system) and wires and wireless | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/05/22 17:28 |
| S31 6 | 2 | (high adj2 impedance) same (carrier adj2 signal) and (\$4speak\$3) and wires and wireless | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/05/22 17:28 |
| S31 7 | 19 | (intelligent adj2 \$4speak\$2) and amplifier | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/05/28 11:03 |
| S31 8 | 23 | ((intelligent or smart) adj2 \$4speak\$2) and amplifier | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/05/28 11:12 |
| S31 9 | 13 | chrisop.in. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/05/28 11:05 |
| S32 0 | 1 | ((intelligent or smart) adj2 \$4speak\$2) and (high adj2 impedance) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/05/28 11:15 |
| S32 1 | 12 | ("5406634").URPN. | USPAT | OR | OFF | 2005/05/28 11:13 |
| S32 2 | 9 | (\$4speak\$2) and ((high adj2 impedance) same (frequen\$5 with (audio adj2 range))) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/05/28 11:18 |
| S32 3 | 4 | (modulation) and ((high adj2 impedance) same (frequen\$5 with (audio adj2 range))) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/05/28 11:18 |
| S32 4 | 1 | (\$4speak\$2) same (high adj2 pass adj2 filter) same rectifi\$2 same impedance | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/05/28 11:20 |
| S32 5 | 0 | westerman.in. and speaker | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/05/28 11:20 |
| S32 6 | 144 | (381/99).CCLS. | USPAT | OR | OFF | 2005/05/28 11:44 |
| S32 7 | 0 | bidirectional adj2 speaker adj2 system | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/05/28 12:01 |
| S32 8 | 10 | bidirectional adj2 \$4speaker | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/05/28 12:01 |
| S32 9 | 98 | (\$4speak\$2) same (filter) same (rectifi\$2 or (power adj2 supply)) same modulat\$3 and amplifier | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/05/31 08:08 |

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| S33 0 | 1 | ("4688257").PN. | USPAT | OR | OFF | 2005/05/31 08:07 |
| S33 1 | 229 | (\$4speak\$2) same ((amplitude adj2 modulation) or (phase-shift adj2 key\$3) or (two-tone adj2 modulation)) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/05/31 08:12 |
| S33 2 | 98 | (\$4speak\$2) same ((amplitude adj2 modulation) or (phase-shift adj2 key\$3) or (two-tone adj2 modulation)) same amplifier | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/05/31 08:30 |
| S33 3 | 1 | (public adj1 address adj2 system) same ((amplitude adj2 modulation) or (phase-shift adj2 key\$3) or (two-tone adj2 modulation)) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/05/31 08:32 |
| S33 4 | 4 | ((("6272351") or ("5640385") or ("4688257") or ("6766025")).PN. | USPAT | OR | OFF | 2005/05/31 08:32 |
| S33 5 | 0 | (381/90).CCLS. | USPAT; USOCR; EPO; JPO | OR | OFF | 2005/12/08 10:22 |
| S33 6 | 6 | 381/77,96,120,300,304,305,59, 384,24.ccls. and (phase adj2 shift adj2 keying) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/12/08 10:44 |
| S33 7 | 0 | 381/77,96,120,300,304,305,59, 384,24.ccls. and (two adj2 tone adj2 modulation) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/12/08 10:48 |
| S33 8 | 1 | "381"/\$.ccls. and (two adj2 tone adj2 modulation) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/12/13 14:48 |
| S33 9 | 0 | (two adj2 tone adj2 modulation) same \$4speak\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/12/08 10:43 |
| S34 0 | 7 | (two adj2 tone adj2 modulation) and \$4speak\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/12/08 10:43 |
| S34 1 | 50 | "381"/\$.ccls. and (phase adj2 shift adj2 keying) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/12/08 10:44 |
| S34 2 | 22 | 381/77,96,120,300,304,305,59, 384,24.ccls. and (automatically with (speaker with features or characteristics or parameters)) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/12/08 10:50 |
| S34 3 | 2 | 381/77,96,120,300,304,305,59, 384,24.ccls. and (automatically with speaker with (features or characteristics or parameters)) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/12/08 10:49 |

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| S34 4 | 708 | (381/77).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2005/12/13 13:30 |
| S34 5 | 147 | (381/55-58,95,96,77,120,111, 102).ccls. and \$3speak\$3 same amplifier same impedance | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/12/13 14:44 |
| S34 6 | 1 | ("6385322").URPN. | USPAT | OR | OFF | 2005/12/13 13:35 |
| S34 7 | 1 | (381/55-58,95,96,77,120,111, 102).ccls. and \$3speak\$3 and (phase-shift adj2 keying) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/12/13 14:46 |
| S34 8 | 2 | ("381"/\$).ccls. and \$3speak\$3 and (phase-shift adj2 keying) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/12/13 14:46 |
| S34 9 | 1 | "381"/\$.ccls. and (two-tone adj2 modulation) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/12/13 14:48 |
| S35 0 | 28 | sharp.AS. and \$4speak\$2 and impedance | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/12/13 15:13 |